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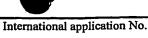
INTERNATIONAL SEARCH REPORT



International application No. PCT/JP02/12492

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ D05C15/22, 15/24				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
Int.Cl ⁷ D05C15/00-15/36				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1940–1996 Toroku Jitsuyo Shinan Koho 1994–2003				
Jitsuyo Shinan Koho 1940-1996 Toroku Jitsuyo Shinan Koho 1994-2003 Kokai Jitsuyo Shinan Koho 1971-1995 Jitsuyo Shinan Toroku Koho 1996-2003				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.	
Α	US 2961983 A (James Lees and		1,2	
Y	29 November, 1960 (29.11.60), Column 2, lines 17 to 26; Fig		3	
	(Family: none)	,		
A Y	US 4549496 A (Fabrication Center, Inc.), 29 October, 1985 (29.10.85),		1,2 3	
	Column 9, lines 24 to 32; Fig	gs. 4, 5		
	& JP 61-501462 A			
	Page 7, upper right column, l	line 17 to lower left		
	column, line 2 & WO 85/04197 A & EP 175755 A			
	& AU 4112985 A & AU 586423 A			
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X Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents: "T" later document published after the international filing date or document defining the general state of the art which is not priority date and not in conflict with the application but cited to				
considered to be of particular relevance understand the principle or theory underlying the invent "E" earlier document but published on or after the international filing "X" document of particular relevance; the claimed invention			erlying the invention	
date		considered novel or cannot be considered	red to involve an inventive	
cited to	ent which may throw doubts on priority claim(s) or which is o establish the publication date of another citation or other	step when the document is taken alone "Y" document of particular relevance; the	claimed invention cannot be	
	reason (as specified) ent referring to an oral disclosure, use, exhibition or other	considered to involve an inventive ster combined with one or more other such		
means		"&" document member of the same patent		
Date of the actual completion of the international search Date of mailing of the international search report			ch report	
24 January, 2003 (24.01.03) 12 February, 2003 (12.02.03)			12.02.03)	
Name and mailing address of the ISA/		Authorized officer		
Japanese Patent Office				
Facsimile No.		Telephone No.		





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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category* Citation of document, with indication, where appropriate, of the relevant passages US 1993862 A (Waite Carpet Co.), 1,2 A 3 Y 12 March, 1935 (12.03.35), Page 2, left column, line 65 to right column, line 36; Figs. 4 to 10 (Family: none) JP 2001-200465 A (Brother Industries, Ltd.),
27 July, 2001 (27.07.01), 1,2 Α 3 Y Column 13, lines 7 to 32; Fig. 12 (Family: none) 3 JP 10-113492 A (Yamato Mishin Seizo Kabushiki Y 06 May, 1998 (06.05.98), Full text; all drawings (Family: none) 3 JP 7-144081 A (Brother Industries, Ltd.), Α 06 June, 1995 (06.06.95), Full text; all drawings (Family: none) 3 US 3771478 A (Union Special Corp.), Α 13 November, 1973 (13.11.73), Full text; all drawings & JP 54-39787 B2 & DE 2331966 A & GB 1431345 A & FR 2191566 A & IT 986240 A





International application No.

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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows: Claims 1-3 are common to each other in that they relate to a flocking machine having a needle with a thread inserted in a needle hole and moving up and down through the upper and lower surfaces of a base fabric, and a hook shaft; this point, however, is a known arrangement in the flocking machine, not a special technical feature. And it is deemed that a special technical feature resides in the thread cutting mechanism for claims 1 and 2 and the rotary vane body for claim 3. A common matter that is thought to be a special technical feature defined in PCT Rule 13. 2 cannot exist between the thread cutting and the rotary vane body; thus, no technical linkage in the sense of PCT Rule 13 can be found. 1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable
claims.
2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.